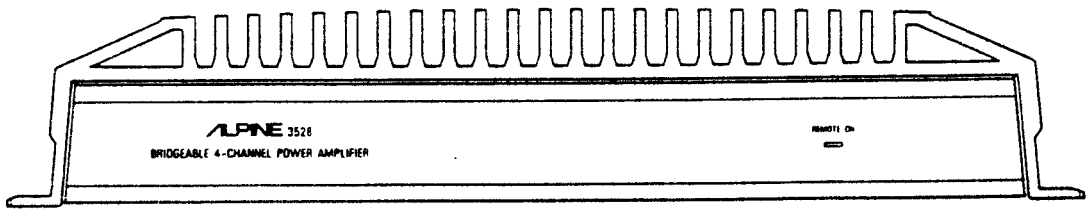
ALPINE SERVICE MANUAL

BRIDGEABLE 4-CHANNEL

POWER AMPLIFIER



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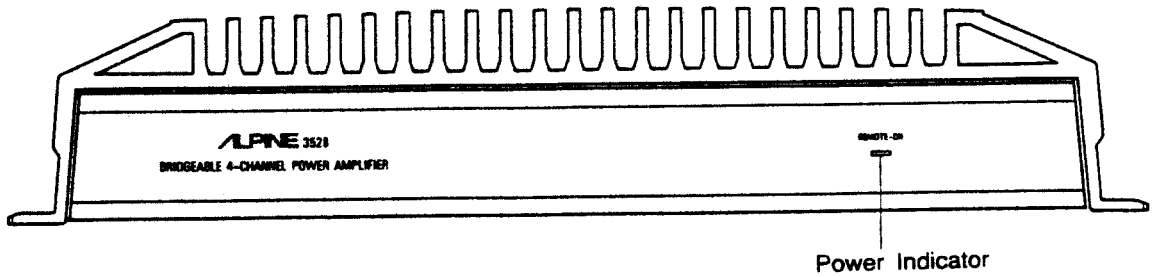
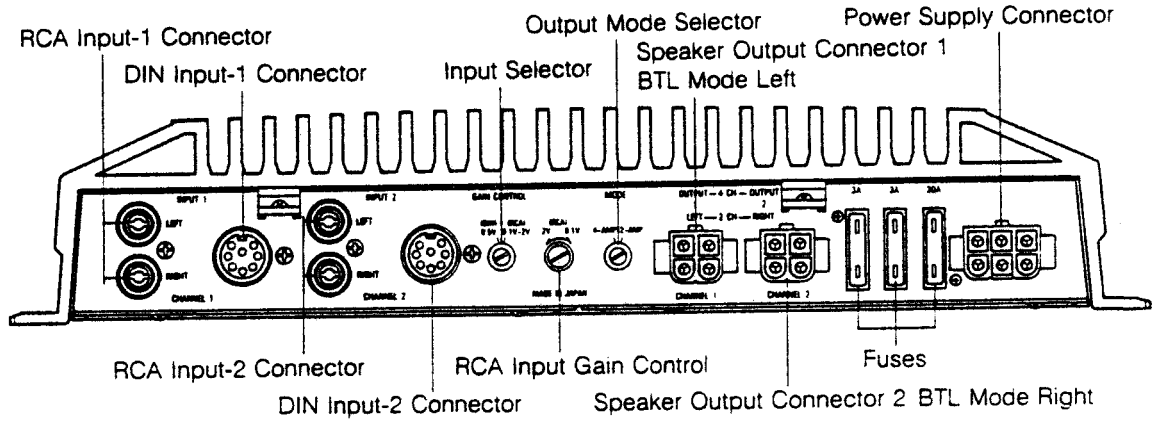
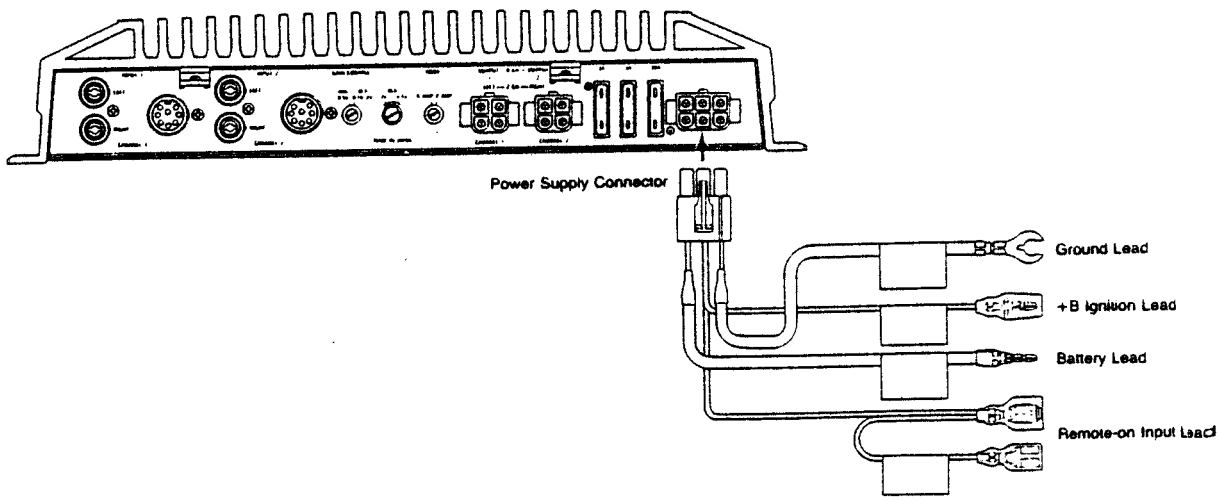
Specifications

Rated Power Output	4-AMP MODE: 25W/ch (4 ohms 4 ch Load, 20 Hz to 20 kHz, 0.08% THD)
	: 25W/ch (2 onms 4 ch Load, 20 Hz to 20 kHz, 0.8% THD)
	2-AMP MODE: 55W/ch (4 ohms 2 ch Load, 20 Hz to 20 kHz, 0.8% THD)
Frequency Response	20 Hz to 20 kHz (−1 dB at 1W Power Output)
Channel Separation	48 dB (1 kHz, 30W)
Zero Signal Current Drain	1.8A
Current Drain	4-AMP MODE: 28A (4 ohms 4 ch Load, 10% THD)
	: 40A (2 ohms 4 ch Load, 10% THD)
	2-AMP MODE: 40A (4 ohms 2 ch Load, 10% THD)
Speaker Impedance	4-AMP MODE: 4 or 2 ohms
	2-AMP MODE: 4 ohms
Input Sensitivity (30W Power Output)	Fixed: 0.5V ±10%
	Variable: 0.1V ±20%
	: 2V ±20%
Input Inpedance	10k ohms ±20%
Fuse Requirement	30A, 3A (Battery)
	3A (ACC)
Power Supply	DC14.4V (11 to 16V allowable)
Semiconductors	8 ICs, 43 Transistors, 32 Diode, 6 Zener Diode
Dimension (W×H×D)	275×55×174 mm
Weight	2.7 kg

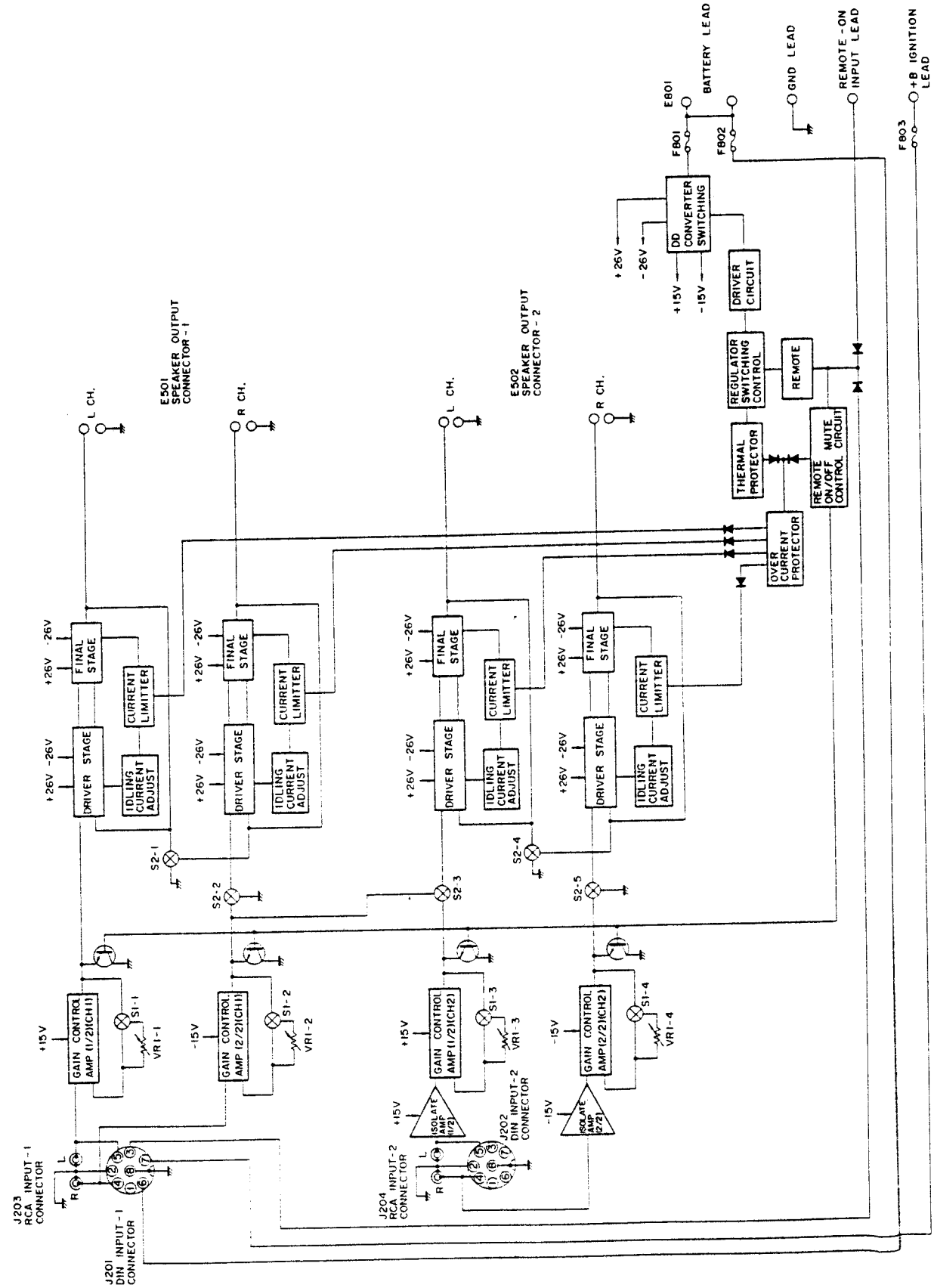
Parts Locations







Block Diagram



Schematic Diagram

ICs	IC201	IC202 IC203	IC503 IC504		IC501 IC502		
Transistors(Q)		Q201–204	Q503,507,511 Q504,508,512	Q515,519 Q516,520	Q251	Q501,505,509 Q502,506,510 Q252,253	Q513 Q514

Measuring condition
- Power supply voltage : DC 14.4V
- Measuring meter : Digital multi voltmeter
- Measuring point reference
  - Power supply section : Primary ground
  - Signal section : Secondary ground
- Measuring conditions : No signal

	B	C	E
Q201 to Q204	0V	0V	0V
Q251	11.7V	0V	11.2V
Q252	0.65V	0.02V	0V
Q253	0.02V	11.7V	0V
Q501 to Q504	-0.3V	0.48V	-0.97V
Q505 to Q508	0V	26.2V	0V
Q509 to Q512	0V	-1.2V	0V
Q513 to Q516	0.53V	26.5V	0V
Q517 to Q520	-0.53V	-26.5V	0V
Q581	0V	11.4V	0V
Q582	26.5V	0V	26.5V
Q801	13.6V	14.1V	14.4V
Q802	2.9V	0.08V	0V
Q804	0.02V	5V	0V
Q813	5V	0.02V	5V
Q821 to Q824	0.34V	14.2V	0V
Q825	0.5V	14.2V	0.49V
Q826	0.5V	14.2V	0.49V
Q827	15.1V	0.75V	14.4V
Q828	15.1V	0.75V	14.4V
Q829	0.5V	0.55V	0V
Q830	0.5V	0.55V	0V

IC201

1	
2	0V
3	0V
4	0V
5	-15V
6	0V
7	0V
8	0V
9	+15V

IC202

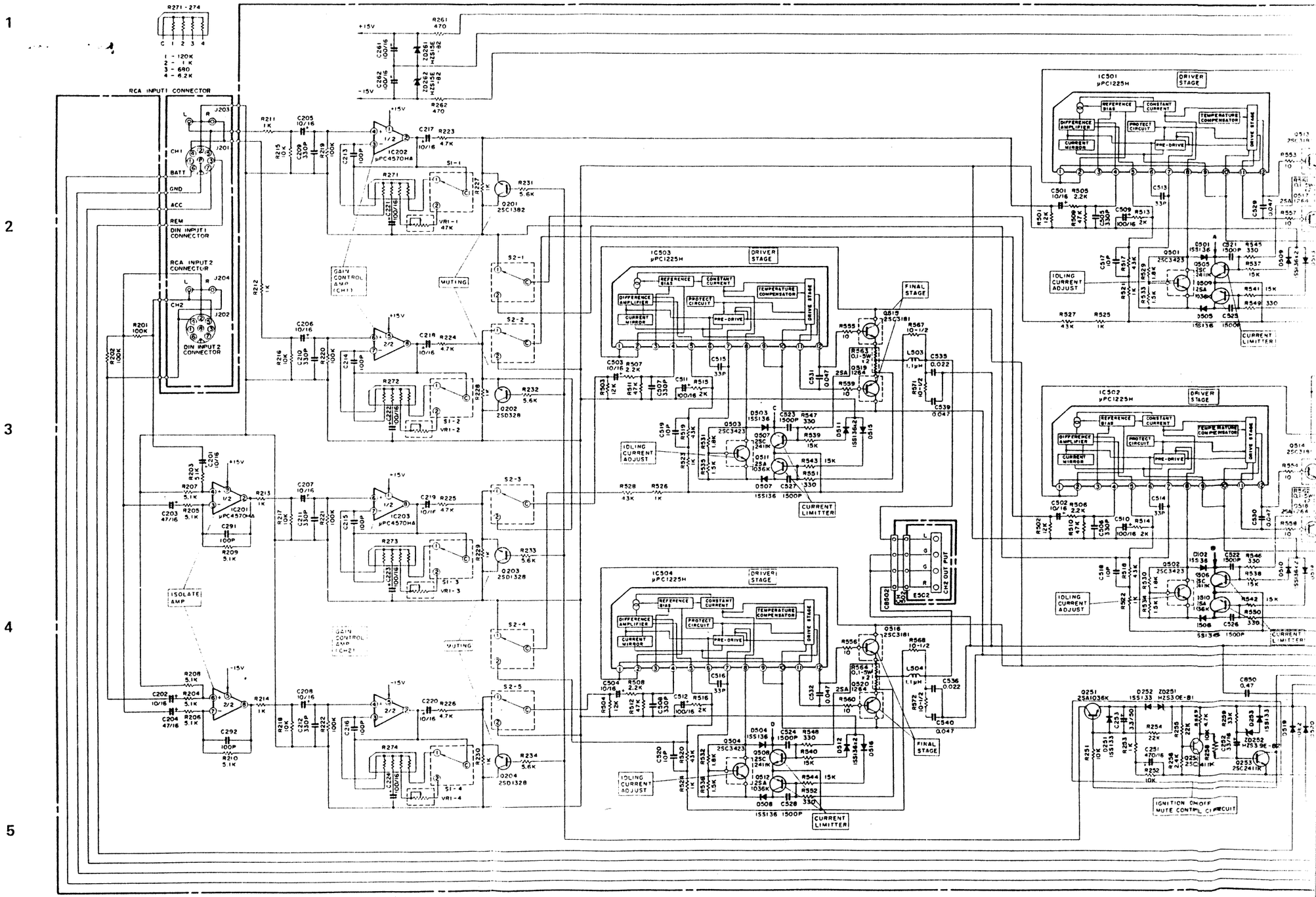
1	+15V
2	0V
3	0V
4	0V
5	-15V
6	0V
7	0V
8	0V

IC501 to IC504

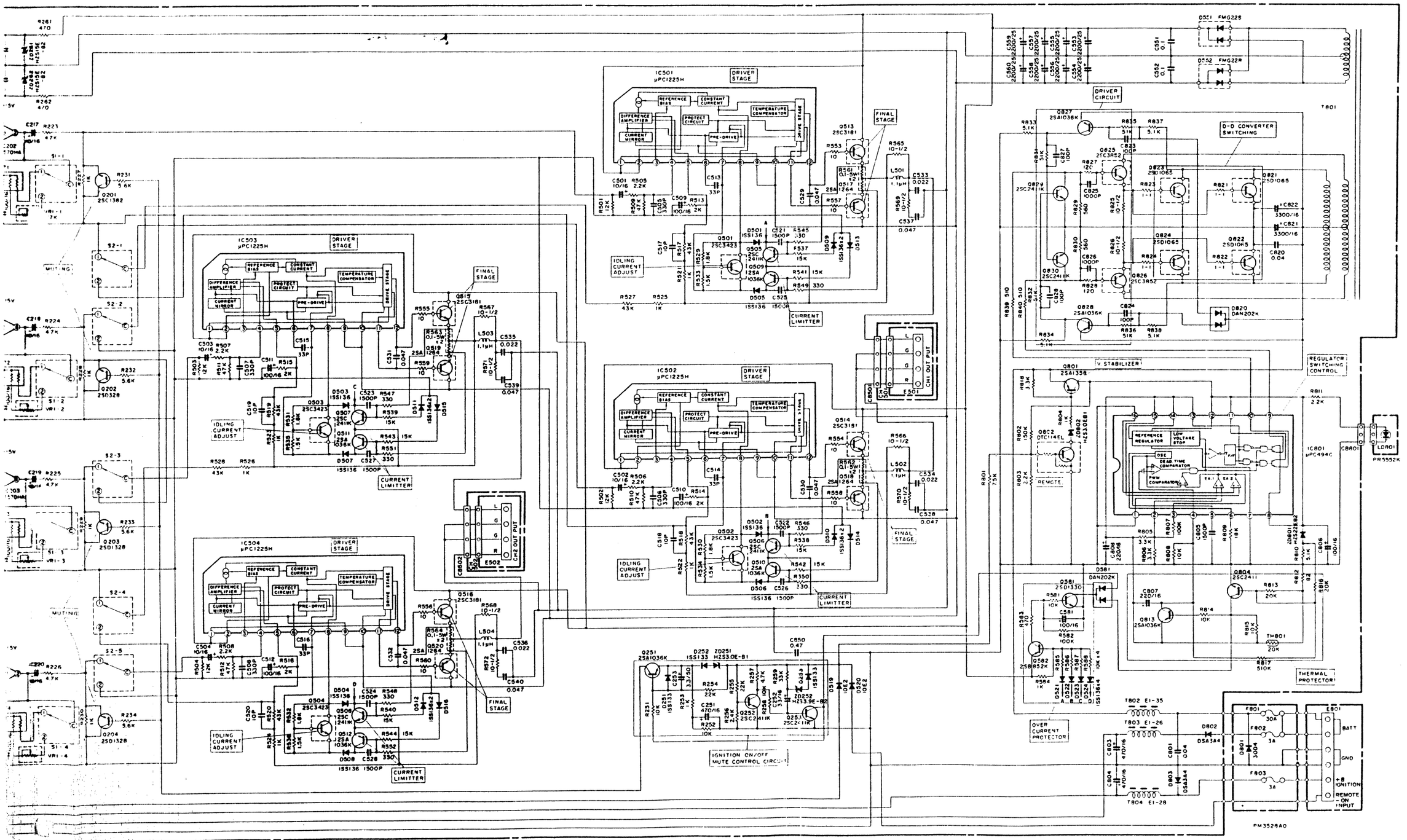
1	26.5V
2	26.5V
3	20.4V
4	0.11V
5	0.11V
6	-24.9V
7	-1V
8	0.5V
9	-26.5V
10	-26.5V
11	-0.53V
12	0.53V

IC801

1	0V
2	2.4V
3	0.016V
4	0.02V
5	1.6V
6	3.7V
7	0V
8	14.4V
9	0.84V
10	0.84V
11	14.4V
12	14.4V
13	5V
14	5V
15	5V
16	0V



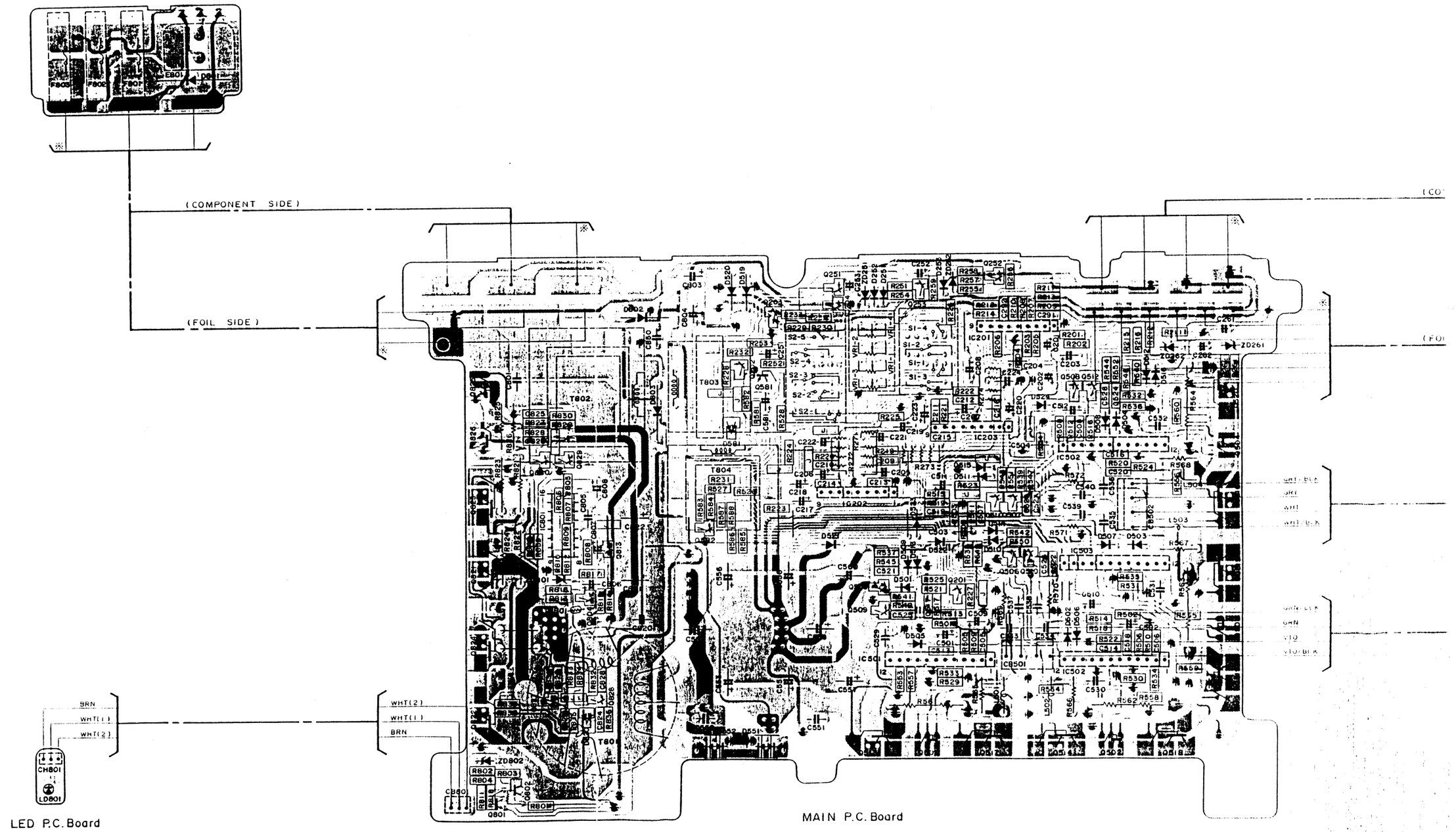
C201 C203	IC503 IC504			IC501 IC502				IC801
Q201–204	Q503,507,511 Q504,508,512	Q515,519 Q516,520	Q251	Q501,505,509 Q502,506,510 Q252,253	Q513,517 Q514,518	Q823–830 Q801,802 Q581,582	Q821,822 Q813,804	



Wiring Diagram and Parts Layout on P.C. Board

FUSE & COUPPLER P.C.Board

DIN & RCA P.C.Board



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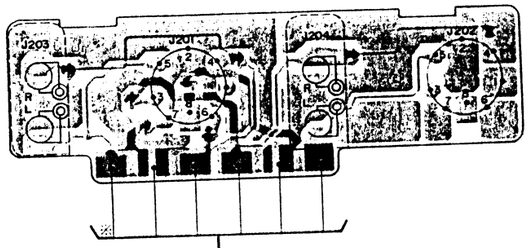
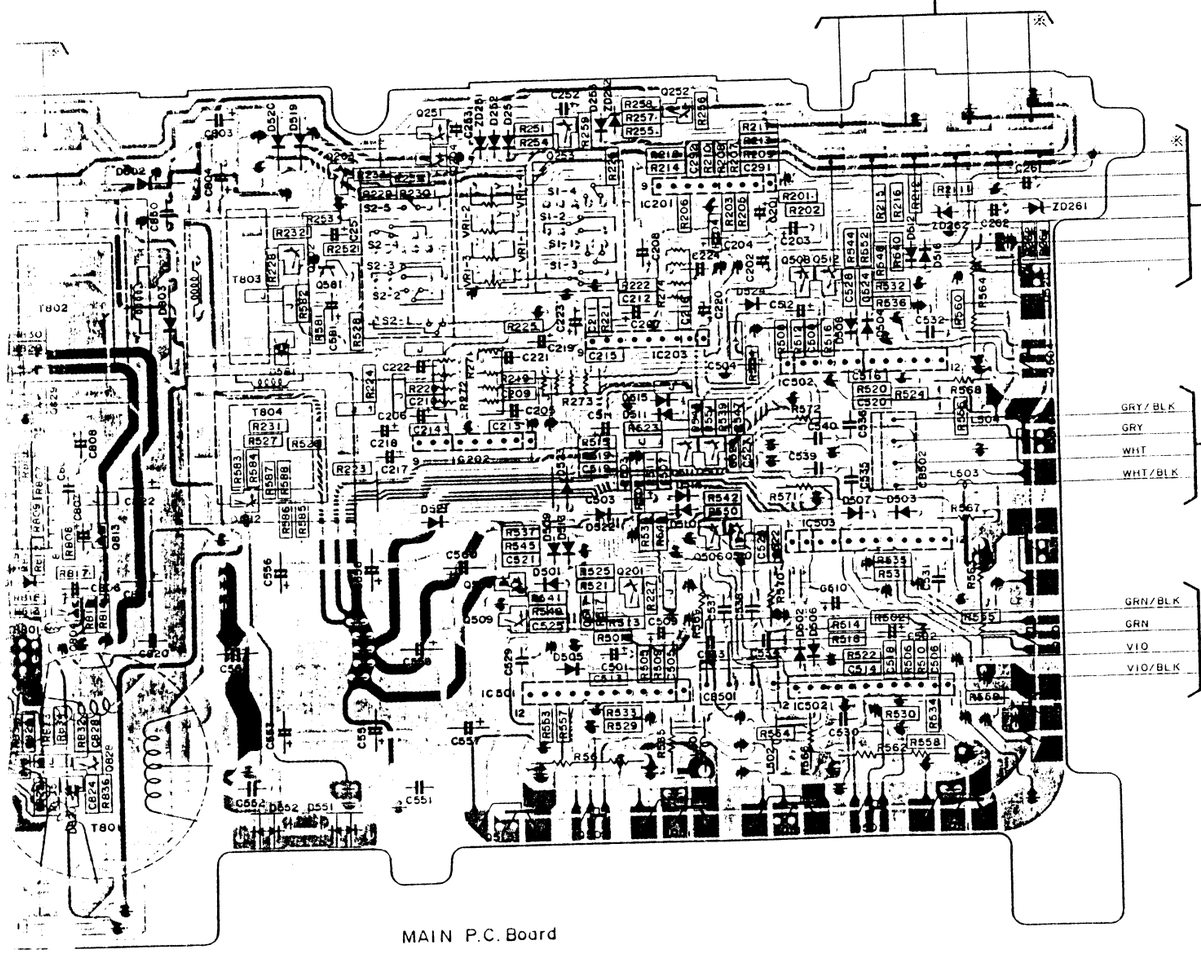
DIN & RCA P.C. Board



(COMPONENT SIDE)

(FOIL SIDE)



Electrical Parts List

Resistors: Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Abbreviation

CP=CHIP
CF=CARBON FILM
MF=METAL FILM
MO=METAL OXIDE FILM
MP=METAL PLATE
ELY=ELECTROLYTIC
CER=CERAMIC
MYL=MYLAR
TAN=TANTALUM
POLY=POLYSTYROL
PP=POLYPROPYLENE
TRANS=TRANSFORMER
CONN=CONNECTOR
uF=microfarads
P=picofarads

Main P.C. Board

ICs

Symbol No.	Part No.	Description
IC201	51T83403F03	uPC4570HA
IC202	51T83403F03	uPC4570HA
IC203	51T83403F03	uPC4570HA
IC501	51T58602F01	uPC1225H
IC502	51T58602F01	uPC1225H
IC503	51T58602F01	uPC1225H
IC504	51T58602F01	uPC1225H
IC801	51T70759F01	uPC494C

Transistors

Symbol No.	Part No.	Description
Q201	48T63788F01	CP 2SD1328
Q202	48T63788F01	CP 2SD1328
Q203	48T63788F01	CP 2SD1328
Q204	48T63788F01	CP 2SD1328
Q251	48T63419F03	CP 2SA1036K
Q252	48T63461F03	CP 2SC2411K
Q253	48T63461F03	CP 2SC2411K
Q505	48T63461F03	CP 2SC2411K
Q506	48T63461F03	CP 2SC2411K
Q507	48T63461F03	CP 2SC2411K
Q508	48T63461F03	CP 2SC2411K
Q509	48T63419F03	CP 2SA1036K
Q510	48T63419F03	CP 2SA1036K
Q511	48T63419F03	CP 2SA1036K
Q512	48T63419F03	CP 2SA1036K
Q581	48T57337F01	2SD1330
Q582	48T81553F01	CP 2SB852K
Q801	48T69177F01	2SA1358
Q802	48T82763F02	DTC114EL
Q804	48T63461F03	CP 2SC2411K
Q813	48T63419F03	CP 2SA1036K
Q827	48T63419F03	CP 2SA1036K
Q828	48T63419F03	CP 2SA1036K
Q829	48T63461F03	CP 2SC2411K
Q830	48T63461F03	CP 2SC2411K

Diodes

Symbol No.	Part No.	Description
D251	48T68828F01	1SS133
D252	48T68828F01	1SS133
D253	48T68828F01	1SS133
D501	48T70933F01	1SS136
D502	48T70933F01	1SS136
D503	48T70933F01	1SS136
D504	48T70933F01	1SS136
D505	48T70933F01	1SS136
D506	48T70933F01	1SS136
D507	48T70933F01	1SS136
D508	48T70933F01	1SS136
D509	48T70933F01	1SS136
D510	48T70933F01	1SS136
D511	48T70933F01	1SS136
D512	48T70933F01	1SS136
D513	48T70933F01	1SS136
D514	48T70933F01	1SS136
D515	48T70933F01	1SS136
D516	48T70933F01	1SS136
D519	48C40235G02	10E2
D520	48C40235G02	10E2
D521	48T70933F01	1SS136
D522	48T70933F01	1SS136
D523	48T70933F01	1SS136
D524	48T70933F01	1SS136
D581	48T63462F01	CP DAN202K
D802	48T68580F03	DSA3A4
D803	48T68580F03	DSA3A4
D820	48T63462F01	CP DAN202K
ZD251	48T68697F03	Zener HZS3.0EB1
ZD252	48T68697F10	Zener HZS3.9EB2
ZD261	48T68697F52	Zener HZS15EB2
ZD262	48T68697F52	Zener HZS15EB2
ZD801	48T68697F64	Zener HZS22EB2
ZD802	48T68697F03	Zener HZS3.0EB1

Coils

Symbol No.	Part No.	Description
L501	24T74372F01	DR08 1.1uH
L502	24T74372F01	DR08 1.1uH
L503	24T74372F01	DR08 1.1uH
L504	24T74372F01	DR08 1.1uH
T802	25T82812F01	Choke EI-35
T803	25T82818F01	Choke Filter
T804	25T82885F01	Choke EI-28

Volume Control

Symbol No.	Part No.	Description
VR-1	18T82809F01	Rotary 47KB-4

Switches

Symbol No.	Part No.	Description
S1	40T82810F01	Rotary 4C-2P (RCA/DIN)
S2	40T82811F01	Rotary 6C-2P (2-AMP/4-AMP)

Capacitors

Symbol No.	Part No.	Description
C201	23S61524F13	ELY 10uF 16V
C202	23S61524F13	ELY 10uF 16V
C203	23T65374F04	ELY 47uF 16V
C204	23T65374F04	ELY 47uF 16V
C205	23S57007F09	ELY 10uF 16V
C206	23S57007F09	ELY 10uF 16V
C207	23S57007F09	ELY 10uF 16V
C208	23S57007F09	ELY 10uF 16V
C209	08S53332F29	CP 330P
C210	08S53332F29	CP 330P
C211	08S53332F29	CP 330P
C212	08S53332F29	CP 330P
C213	08S53332F23	CP 100P
C214	08S53332F23	CP 100P
C215	08S53332F23	CP 100P
C216	08S53332F23	CP 100P
C217	23S57007F09	ELY 10uF 16V
C218	23S57007F09	ELY 10uF 16V
C219	23S57007F09	ELY 10uF 16V
C220	23S61524F13	ELY 10uF 16V
C221	23T65374F09	ELY 100uF 16V
C222	23T65374F09	ELY 100uF 16V
C223	23T65374F09	ELY 100uF 16V
C224	23T65374F09	ELY 100uF 16V
C251	23C42170G30	ELY 470uF 16V

Symbol No.	Part No.	Description
C252	23S61524F15	ELY 33uF 16V
C253	23S61523F31	ELY 3.3uF 50V
C261	23T73862F09	ELY 100uF 16V
C262	23T73862F09	ELY 100uF 16V
C291	08S53332F23	CP 100P
C292	08S53332F23	CP 100P
C501	23S57007F09	ELY 10uF 16V
C502	23S57007F09	ELY 10uF 16V
C503	23S57007F09	ELY 10uF 16V
C504	23S57007F09	ELY 10uF 16V
C505	08S53332F29	CP 330P
C506	08S53332F29	CP 330P
C507	08S53332F29	CP 330P
C508	08S53332F29	CP 330P
C509	23T65374F09	ELY 100uF 16V
C510	23T65374F09	ELY 100uF 16V
C511	23T65374F09	ELY 100uF 16V
C512	23T65374F09	ELY 100uF 16V
C513	08S53332F17	CP 33P
C514	08S53332F17	CP 33P
C515	08S53332F17	CP 33P
C516	08S53332F17	CP 33P
C517	08S53332F11	CP 10P
C518	08S53332F11	CP 10P
C519	08S53332F11	CP 10P
C520	08S53332F11	CP 10P
C521	08S53332F37	CP 1500P
C522	08S53332F37	CP 1500P
C523	08S53332F37	CP 1500P
C524	08S53332F37	CP 1500P
C525	08S53332F37	CP 1500P
C526	08S53332F37	CP 1500P
C527	08S53332F37	CP 1500P
C528	08S53332F37	CP 1500P
C529	08T57705F75	MYL 0.047uF
C530	08T57705F75	MYL 0.047uF
C531	08T57705F75	MYL 0.047uF
C532	08T57705F75	MYL 0.047uF
C533	08T57851F05	PF 0.022uF
C534	08T57851F05	PF 0.022uF
C535	08T57851F05	PF 0.022uF
C536	08T57851F05	PF 0.022uF
C537	08T57705F75	MYL 0.047uF
C538	08T57705F75	MYL 0.047uF
C539	08T57705F75	MYL 0.047uF
C540	08T57705F75	MYL 0.047uF
C551	08T57851F13	TF 0.1uF
C552	08T57851F13	TF 0.1uF
C553	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C554	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C555	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C556	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C557	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C558	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C559	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V

Symbol No.	Part No.	Description
C560	23T83923F26	ELY 2200uF 25V
or	23T90197F31	ELY 2200uF 25V
C581	23T65374F10	ELY 100uF 16V
C801	08S40805F22	CER 0.04uF
C803	23C42170G30	ELY 470uF 16V
C804	23C42170G30	ELY 470uF 16V
C805	08T57705F57	MYL 1500P
C806	23T65374F09	ELY 100uF 16V
C807	23T65374F06	ELY 220uF 16V
C808	23T65374F06	ELY 220uF 16V
C820	08S40805F22	CER 0.04uF
C821	23T83923F27	ELY 3300uF 16V
or	23T90197F41	ELY 3300uF 16V
C822	23T83923F27	ELY 3300uF 16V
or	23T90197F41	ELY 3300uF 16V
C823	08S53332F23	CP 100P
C824	08S53332F23	CP 100P
C825	08S53332F35	CP 1000P
C826	08S53332F35	CP 1000P
C827	08S53332F23	CP 100P
C828	08S53332F23	CP 100P
C850	08T57851F21	TF 0.47uF

Resistors

R201	06S53331F02	CP 100k ohms 1/8W
R202	06S53331F02	CP 100k ohms 1/8W
R203	06S53330F70	CP 5.1k ohms 1/8W
R204	06S53330F70	CP 5.1k ohms 1/8W
R205	06S53330F70	CP 5.1k ohms 1/8W
R206	06S53330F70	CP 5.1k ohms 1/8W
R207	06S53330F70	CP 5.1k ohms 1/8W
R208	06S53330F70	CP 5.1k ohms 1/8W
R209	06S53330F70	CP 5.1k ohms 1/8W
R210	06S53330F70	CP 5.1k ohms 1/8W
R211	06S53330F53	CP 1k ohms 1/8W
R212	06S53330F53	CP 1k ohms 1/8W
R213	06S53330F53	CP 1k ohms 1/8W
R214	06S53330F53	CP 1k ohms 1/8W
R215	06S53330F77	CP 10k ohms 1/8W
R216	06S53330F77	CP 10k ohms 1/8W
R217	06S53330F77	CP 10k ohms 1/8W
R218	06S53330F77	CP 10k ohms 1/8W
R219	06S53331F02	CP 100k ohms 1/8W
R220	06S53331F02	CP 100k ohms 1/8W
R221	06S53331F02	CP 100k ohms 1/8W
R222	06S53331F02	CP 100k ohms 1/8W
R223	06S53330F69	CP 4.7k ohms 1/8W
R224	06S53330F69	CP 4.7k ohms 1/8W

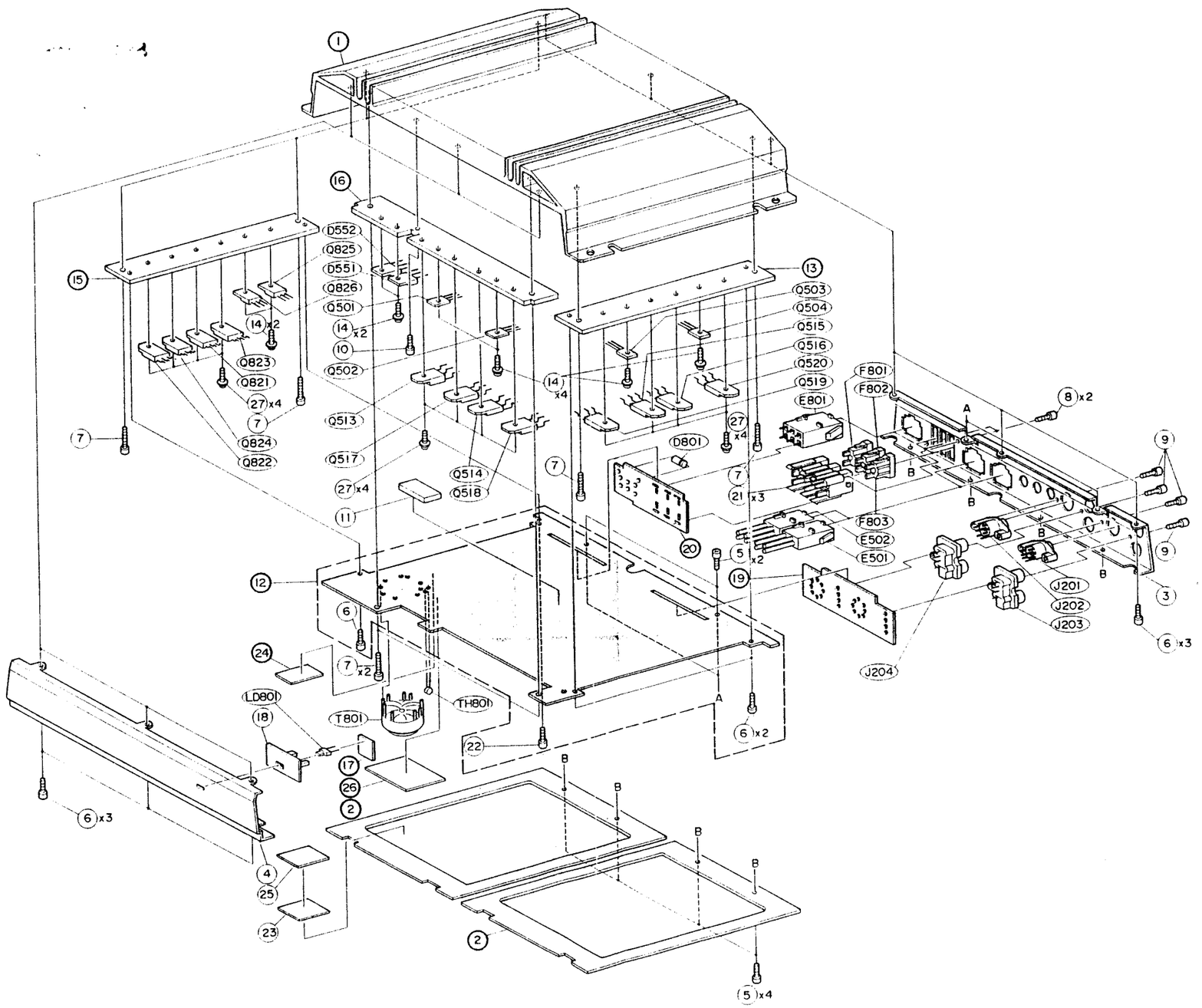
Symbol No.	Part No.	Description
R225	06S53330F69	CP 4.7k ohms 1/8W
R226	06S53330F69	CP 4.7k ohms 1/8W
R227	06S53330F53	CP 1k ohms 1/8W
R228	06S53330F53	CP 1k ohms 1/8W
R229	06S53330F53	CP 1k ohms 1/8W
R230	06S53330F53	CP 1k ohms 1/8W
R231	06S53330F71	CP 5.6k ohms 1/8W
R232	06S53330F71	CP 5.6k ohms 1/8W
R233	06S53330F71	CP 5.6k ohms 1/8W
R234	06S53330F71	CP 5.6k ohms 1/8W
R251	06S53330F77	CP 10k ohms 1/8W
R252	06S53330F77	CP 10k ohms 1/8W
R253	06S53330F53	CP 1k ohms 1/8W
R254	06S53330F85	CP 22k ohms 1/8W
R255	06S53330F85	CP 22k ohms 1/8W
R256	06S53330F62	CP 2.4k ohms 1/8W
R257	06S53330F69	CP 4.7k ohms 1/8W
R258	06S53330F77	CP 10k ohms 1/8W
R259	06S53330F89	CP 33k ohms 1/8W
R261	06T70072F45	CP 470 ohms 1/4W
R262	06T70072F45	CP 470 ohms 1/4W
R271	06T82817F01	Block RN1F5A
R272	06T82817F01	Block RN1F5A
R273	06T82817F01	Block RN1F5A
R274	06T82817F01	Block RN1F5A
R501	06S53330F79	CP 12k ohms 1/8W
R502	06S53330F79	CP 12k ohms 1/8W
R503	06S53330F79	CP 12k ohms 1/8W
R504	06S53330F79	CP 12k ohms 1/8W
R505	06S53330F61	CP 2.2k ohms 1/8W
R506	06S53330F61	CP 2.2k ohms 1/8W
R507	06S53330F61	CP 2.2k ohms 1/8W
R508	06S53330F61	CP 2.2k ohms 1/8W
R509	06S53330F93	CP 47k ohms 1/8W
R510	06S53330F93	CP 47k ohms 1/8W
R511	06S53330F93	CP 47k ohms 1/8W
R512	06S53330F93	CP 47k ohms 1/8W
R513	06S53330F60	CP 2k ohms 1/8W
R514	06S53330F60	CP 2k ohms 1/8W
R515	06S53330F60	CP 2k ohms 1/8W
R516	06S53330F60	CP 2k ohms 1/8W
R517	06S53330F92	CP 43k ohms 1/8W
R518	06S53330F92	CP 43k ohms 1/8W
R519	06S53330F92	CP 43k ohms 1/8W
R520	06S53330F92	CP 43k ohms 1/8W
R521	06S53330F53	CP 1k ohms 1/8W
R522	06S53330F53	CP 1k ohms 1/8W
R523	06S53330F53	CP 1k ohms 1/8W
R524	06S53330F53	CP 1k ohms 1/8W
R525	06S53330F53	CP 1k ohms 1/8W
R526	06S53330F53	CP 1k ohms 1/8W
R527	06S53330F92	CP 43k ohms 1/8W
R528	06S53330F92	CP 43k ohms 1/8W

Symbol No.	Part No.	Description
R529	06S53330F59	CP 1.8k ohms 1/8W
R530	06S53330F59	CP 1.8k ohms 1/8W
R531	06S53330F59	CP 1.8k ohms 1/8W
R532	06S53330F59	CP 1.8k ohms 1/8W
R533	06S53330F57	CP 1.5k ohms 1/8W
R534	06S53330F57	CP 1.5k ohms 1/8W
R535	06S53330F57	CP 1.5k ohms 1/8W
R536	06S53330F57	CP 1.5k ohms 1/8W
R537	06S53330F81	CP 15k ohms 1/8W
R538	06S53330F81	CP 15k ohms 1/8W
R539	06S53330F81	CP 15k ohms 1/8W
R540	06S53330F81	CP 15k ohms 1/8W
R541	06S53330F81	CP 15k ohms 1/8W
R542	06S53330F81	CP 15k ohms 1/8W
R543	06S53330F81	CP 15k ohms 1/8W
R544	06S53330F81	CP 15k ohms 1/8W
R545	06S53330F41	CP 330 ohms 1/8W
R546	06S53330F41	CP 330 ohms 1/8W
R547	06S53330F41	CP 330 ohms 1/8W
R548	06S53330F41	CP 330 ohms 1/8W
R549	06S53330F41	CP 330 ohms 1/8W
R550	06S53330F41	CP 330 ohms 1/8W
R551	06S53330F41	CP 330 ohms 1/8W
R552	06S53330F41	CP 330 ohms 1/8W
R553	06S53330F05	CP 10 ohms 1/8W
R554	06S53330F05	CP 10 ohms 1/8W
R555	06S53330F05	CP 10 ohms 1/8W
R556	06S53330F05	CP 10 ohms 1/8W
R557	06S53330F05	CP 10 ohms 1/8W
R558	06S53330F05	CP 10 ohms 1/8W
R559	06S53330F05	CP 10 ohms 1/8W
R560	06S53330F05	CP 10 ohms 1/8W
R561	06T51107F02	Cement 10 ohms 5Wx2
R562	06T51107F02	Cement 10 ohms 5Wx2
R563	06T51107F02	Cement 10 ohms 5Wx2
R564	06T51107F02	Cement 10 ohms 5Wx2
R565	06T67581F08	CF 10 ohms 1/2W
R566	06T67581F08	CF 10 ohms 1/2W
R567	06T67581F08	CF 10 ohms 1/2W
R568	06T67581F08	CF 10 ohms 1/2W
R569	06T67581F08	CF 10 ohms 1/2W
R570	06T67581F08	CF 10 ohms 1/2W
R571	06T67581F08	CF 10 ohms 1/2W
R572	06T67581F08	CF 10 ohms 1/2W
R581	06S53330F77	CP 10k ohms 1/8W
R582	06S53331F02	CP 100k ohms 1/8W
R583	06S53330F45	CP 470 ohms 1/8W
R584	06S53330F53	CP 1k ohms 1/8W
R585	06S53330F77	CP 10k ohms 1/8W
R586	06S53330F77	CP 10k ohms 1/8W
R587	06S53330F77	CP 10k ohms 1/8W

Symbol No.	Part No.	Description
R588	06S53330F77	CP 10k ohms 1/8W
R801	06S53330F74	CP 7.5k ohms 1/8W
R802	06S53331F06	CP 150k ohms 1/8W
R803	06S53330F61	CP 2.2k ohms 1/8W
R804	06S53330F53	CP 1k ohms 1/8W
R805	06S53330F65	CP 3.3k ohms 1/8W
R806	06S53330F65	CP 3.3k ohms 1/8W
R807	06S53331F02	CP 100k ohms 1/8W
R808	06S53330F77	CP 10k ohms 1/8W
R809	06S53330F83	CP 18k ohms 1/8W
R810	06S53330F70	CP 5.1k ohms 1/8W
R811	06T70072F61	CP 2.2k ohms 1/4W
R812	06S53330F27	CP 82 ohms 1/8W
R813	06S53330F84	CP 20k ohms 1/8W
R814	06S53330F77	CP 10k ohms 1/8W
R815	06S53330F77	CP 10k ohms 1/8W
R816	06S53330F84	CP 20k ohms 1/8W
R817	06S53331F19	CP 510k ohms 1/8W
R818	06S53330F65	CP 3.3k ohms 1/8W
R821	06T55178F07	MF 1 ohms 1W
R822	06T55178F07	MF 1 ohms 1W
R823	06T55178F07	MF 1 ohms 1W
R824	06T55178F07	MF 1 ohms 1W
R825	06T55175F17	MF 10 ohms 1/2W
R826	06T55175F17	MF 10 ohms 1/2W
R827	06S53330F31	CP 120 ohms 1/8W
R828	06S53330F31	CP 120 ohms 1/8W
R829	06S53330F47	CP 560 ohms 1/8W
R830	06S53330F47	CP 560 ohms 1/8W
R831	06S53330F94	CP 51k ohms 1/8W
R832	06S53330F94	CP 51k ohms 1/8W
R833	06S53330F70	CP 5.1k ohms 1/8W
R834	06S53330F70	CP 5.1k ohms 1/8W
R835	06S53330F94	CP 51k ohms 1/8W
R836	06S53330F94	CP 51k ohms 1/8W
R837	06S53330F70	CP 5.1k ohms 1/8W
R838	06S53330F70	CP 5.1k ohms 1/8W
R839	06S53330F46	CP 510 ohms 1/8W
R840	06S53330F46	CP 510 ohms 1/8W

Symbol No.	Part No.	Description
Miscellaneaus		
D551	48T80987F01	Diode FMG22S
D552	48T80987F02	Diode FMG22R
D801	48T68079F03	Diode 30D4
E501	01T82825F02	Speaker Output Connector-1 (4P)
E502	01T82825F01	Speaker Output Connector-2 (4P)
E801	01T84381F01	Power Supply Connector
F801	65T58596F08	Auto, Fuse 30A
F802	65T58596F01	Auto, Fuse 3A
F803	65T58596F01	Auto, Fuse 3A
J201	09T70752F01	DIN Input-1 Connector
J202	09T70752F01	DIN Input-2 Connector
J203	09T70753F01	RCA Input-1 Connector
J204	09T70753F01	RCA Input-2 Connector
LD801	48T52238F02	LED, PR5552k (Red)
Q501	48T64376F01	Tr, 2SC3423
Q502	48T64376F01	Tr, 2SC3423
Q503	48T64376F01	Tr, 2SC3423
Q504	48T64376F01	Tr, 2SC3423
Q513	48T57132F03	Tr, 2SC3181
Q514	48T57132F03	Tr, 2SC3181
Q515	48T57132F03	Tr, 2SC3181
Q516	48T57132F03	Tr, 2SC3181
Q517	48T57131F03	Tr, 2SA1264
Q518	48T57131F03	Tr, 2SA1264
Q519	48T57131F03	Tr, 2SA1264
Q520	48T57131F03	Tr, 2SA1264
Q821	48T47613F03	Tr, 2SD1065
Q822	48T47613F03	Tr, 2SD1065
Q823	48T47613F03	Tr, 2SD1065
Q824	48T47613F03	Tr, 2SD1065
Q825	48T82883F01	Tr, 2SC3852
Q826	48T82883F01	Tr, 2SC3852
T801	25T82813F01	Trans, DC-DC Cont, 3528
TH801	48T60670F01	Thermistor, 20k

Exploded View (Cabinet)

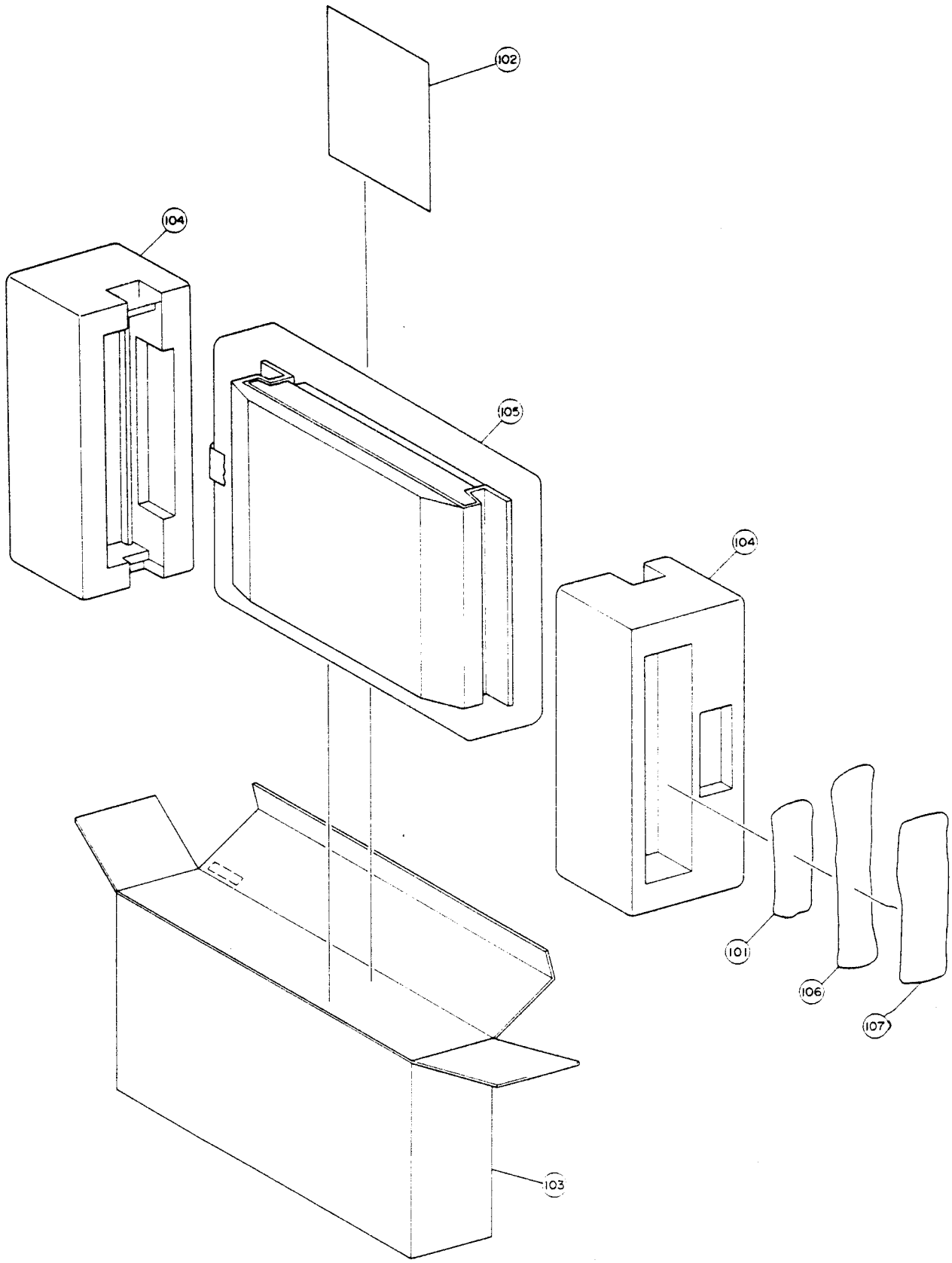


Cabinet Parts List

Symbol No.	Index	Part No.	Description		
3	4G	27C82635F01	Chas Rear		
4	6B	27C82636F01	Chas Front		
5		03S44205G04	Screw, Pan (M3x5)		
6		03S63857F36	Screw, Tapping (M3x6)		
7		03S63857F39	Screw, Tapping (M3x12)		
8		03S68555F02	Screw, Pan (M2x5.5)		
9		03S40012G41	Screw, Tapping (M3x8)		
10		03S71031F11	Screw, Bind (M3x10)		
11	4C	75S72374F36	Cushion, Rubber		
14		03S71252F04	Screw, W/Double Washer (M3x9)		
18	5B	15B70599F01	Cover, LED		
21	4E	09T70751F01	Holder, Auto Fuse 1P		
22		03S71031F07	Screw, Bind (M3x6)		
23	6B	15A81675F01	Cover, Permalloy		
25	6B	14A81674F01	Insulator Cover		
27		03S71252F05	Screw, W/Washer (M3x10)		

NOTE: The parts without part numbers are not supplied.

Packing Method View



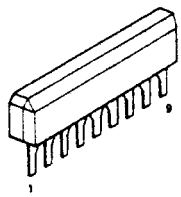
Packing Parts List

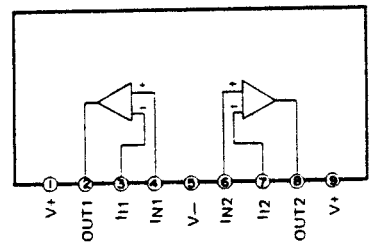
Symbol No.	Part No.	Description		
101	01V83500F71	Assy, Kit Installation		
■ 101-1	65T58596F01	Fuse, Auto 3A		
■ 101-2	65T58596F08	Fuse, Auto 30A		
■ 101-3	03S40018G07	Screw, Flange (M4x14)		
● 102	01V83500F72	Assy, Pamphlet		
■ 102	68P83132F64	Owners, Manual 3528G		
● 103	56S80201F43	Carton, Packing (Individual)		
■ 103	56S90024F04	Carton, Packing (Individual)		
104	56D82637F01	Tray, Packing		
105	56B72811F06	Sack, Polyethylene		
106	01T83934F01	Assy, SP Kit Wire		
107	01T71365F01	Assy, Kit Wire (6P)		

NOTE: ● For North American Model only
■ For General foregin Model only
Others Common

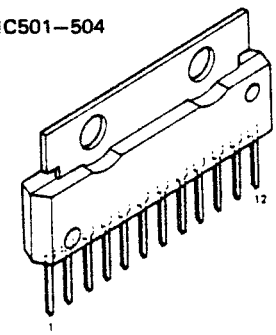
Semiconductors Leads Identifications

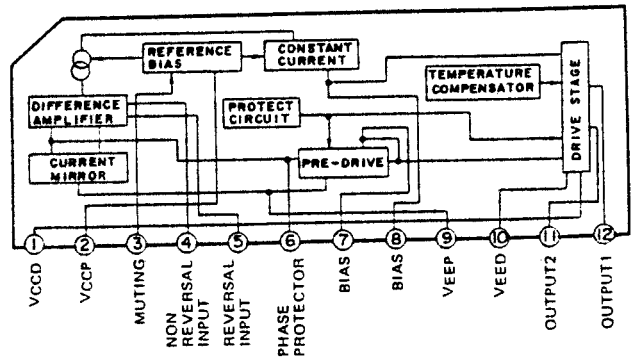
μPC4570HA: IC201–203



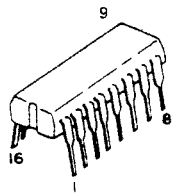


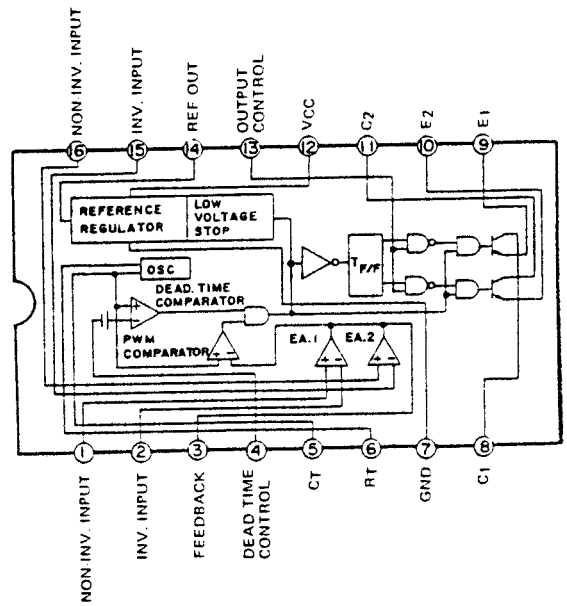
μPC1225H: IC501–504



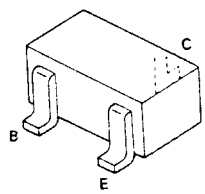


μPC494C: IC801

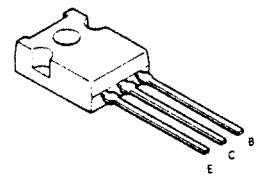




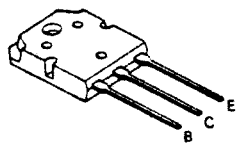
2SD1328: Q201–204
2SA1036K: Q251,509–512,813,827,828
2SC2411K: Q252,253,505–508,804,829,830



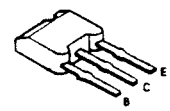
2SC3423: Q501–504
2SA1358: Q801



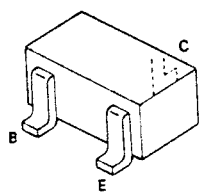
2SC3181: Q513–516
2SA1264: Q517–520

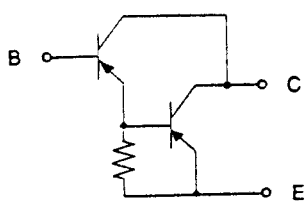


2SD1330: Q581

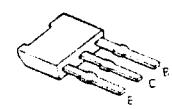


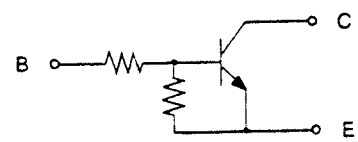
2SB852K: Q582



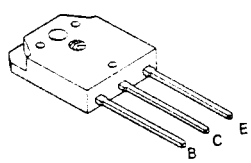


DTC114EL: Q802





2SD1065: Q821–824



2SC3852: Q825,826